# NEED RUGGED, FAST STABILIZATION?

The new versatile Honeywell Cageable Vertical Gyro opens up some pretty exciting possibilities.

Its light weight and ruggedness make it ideal for application in airborne radar search equipment. Held totady in its vertical reference, the radar screen platform scans a given area without straying, despite maneuverling. Should any violant maneuvers be necessary it can be egged in from one to four scowid- and later uncaged in as little as three scowling.

As an autopilot component in fighters, tests have shown that this amazing gyro helps increase accuracy of gun and rocket fire. And soon it will be stabilizing guided missiles in flight. This versstile gyro is but one of many

produced by Honeywell – a leading specialist in this important field.

The Cageable Vertical Gyro and

other members of the Honeywell gyro and other members of the Honeywell gyro "family," including other vertical, rate, and the extremely sensitive Hermatic Integrating Gyros, are available to manufacturers who require precision gyro performance.

A letter addressed to Dept. 401 (AW), Honeywell Aero Division, Minneapolis 13, Minnesota, will bring you full facts about our gyro line.

### Höneywell



H Geronautical Controls



Evenyous should read this story it affects evenyous in The entire Turation Industry!

Sond for this Free Catalog Explaining



B.F.Goodrich





# The trim that gives costs a trimming

KERTING UP de good looks of the plants inseres out on les shad ache for skallen masteres out on les shad ache for skallen masteresone george With, hendisseng, bugger nels sie sen ees questly historie scalled an outdoorsang causerals not last. And vay condensing causerals not last. And vay code a beurag from spifel foods as begade, modely shoes, recepting for sie the promising of high beet.

Then B. F. Goodnach developes:

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Artini — patermete, celebral future control with samparine fanh B. F. Goodseld can supply in an any patern of the control of t

B.F. Goodr

#### AIRCORD Roohling Lock-Clad assures highest



BOEBLING LOCK. me and high-streagth steel Accound working at a unit, than other types of contrain. It sames weight by permitting one of smaller emptod cobbs

For presented cables adamping effect which wirten by affinerates speciary control, Its stuffing bonns, Get in teach with our Engineering De-

complete Larky Clad Count Cold Assemblies John A. Brahlan's Con-2. New Irrary

### Aviation Week

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David A. Anderton. Explored. Enrile J. Bellen. Sould be better William J. Conghibe . Vot free Torque Dyne C. Designey December 1 Lea T. Torpet ...... Corne & Contractor

B. W. Xiecke, No. Convoid Manager, J. G. Johnson, Banners Menager, Mary Sciences, Exempts and Matchana, Solin Experimentary I. G. Anthony, Son York, H. F. Halann, Coccolon, J. J. May, Changer, W. S. Brownell, S. Lones, E. F. Mar-cheed, D. Santon, James Carls, Duller, E. C. Minibert, S. Garbert, B. J. Delfons, S. C. Martin, C. Barton, James Carls, Duller, E. C. Minibert, S. Schwiger, School, B. J. Delfons, S. C. Martin, C. Barton, S. Barton, March Carls, C. S. Barrery, Political philips, Volume School, Change, S. Barton, March Carls, March Carls, S. S. Barrery, Political philips, Volume School, Change, S. S. Schwarz, March London, S. S. Barrery, Political philips, Volume 1981, Philipseth, Morros, London, S. S. Barrery, Political philipset, School, Philipseth, Morros, London, S. S. Barrery, Political philipset, School, Philipseth, Morros, London, S. S. Barrery, Political philipset, School, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, March 1981, Philipseth, Morros, London, S. S. Barrery, Politics, Philipseth, Ph

ANY DISCOUNT OF THE PROPERTY O AND THE RESIDENCE OF STREET, SANDERS AND ADDRESS OF THE PARTY OF THE P The state of the s Are these 3 new to you?



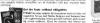
It would pay you to know all about them Dae't let their modest appearance fool you; these are puzzle basters and job simplifiers extraordinary.

This is THE REPORTED AND ADDRESS OF THE PROPERTY OF THE INSTRUMENT AND ADDRESS OF THE PROPERTY Block 1967-18. the new Holosly corrupted Seattless Flexible Take 10.



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### Flight Tested Without Leaving the Ground

G-E Aircraft Instruments Subjected To Rigid Climatic Tests at Factory A torouge chamber with an engineer in charge is the

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#### NEWS DIGEST

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will consider the renount in September

USAF his designated Phillips Peter

\* Baring XB-52 Sturofesters, has been redied out of Phys. 2, Seattle following centrifiction of expansion and is been quelled for first Bake test Source TB 52 has been firing ever wave the madelle of April

Eight Bying saucen reported), nove pecked up on Winbergton National Arr. positing "abjects as vicands of Andrews UB 563" The supports traffic con-That to occupe the second objects between Washington and Mir. Louis C. Huck, 55, poradiat of black Mr. Co. Denot. dud his. 9. He or.

LINEAR TRAINER DELIVERY-Nine care d'Alberta mor la debote. The for the Balon or four head up at Villa . Immer after wroning a competition USAF Republic Threadequits ended exchalds of tactout planer between width reported strains. Flight was

Minnesohaltonyest Republic desirend for Posseki 14.21 metalliture. Boring B-47 exploded in flight and coffed in and temporary's extraded

Financial Dougles Agench Co., Santa Moures

Beech Avenet Com., Wichels, Kars.

e percite pilot saver 1926 and win our of the correct foul year tended 556; of the original Quist Berlinen 933,557 and not recover 51,798,446 Union, N. J., reports pasta at \$747 total

> International 100.01 we from London to Brench-INTA densing bosse, London, but bern duing May, shares \$1.5 switch

by News turbout and SEFR resist

#### Operation "Rescue Hatch Door"



When it rend of an actuator to operate the reares batch

This actioner is rated at 735 Rt. in torque at 2 row and statically holder 2250 fb. vs. load. Advantable limit excedes permit accurate positioning of the door or or open and closed positions. Thermal everload motor protection and radio noise filtering to AN-M-40 are provided.

Accusated Entractive Coules for suformation on Airborns



AVIATION CALENDAR

Age, 745-Averton Education Leadership

Aug 16 Sept. 1-International Arietem

Sept. 12-South of Fresh Assalt Con.

Seat. 942-Industrial Steady of Assiste

Sept 1625-Assessment For Performer Sept. 29-Oct. 3+Noticeal Victories Con-

On 1135-Fresh arms Al-Tow Ar-

Bor 2-Suspenses on West could heave courts and extremes for moless av-craft Society of Automotive Fugineer. -Hatel States N. V.

Dot, 66-55th served Arbent triblin cor-

ANATION WEEK, Adv 18, 1955



CONVAIR XF45A-All white delta was night notes in used to gather data for opposing Convex XF452 interreptor. Note the way man over bolds note bandom, normation than every depart, the loss emorgenes include posterling extended telecoar housing afterhorses

### New Jets Seen During AWA Convention



Floff, such worse hidded brong turned fludger Antofice. Oted with a streetlend purhary took rocky the

NAS NAMES SAVAGE-Laguet cover-bond plane Forerplasts on Albun Till turbupous beauty these highe Armonadaria prope. Wroge have "droop most" looking edges, which improve the place's recordly bears its fight and process. It indices the



REPORTED NEST-Also recent to AWA members was the DAF interester fished, howing multibring/free invent type wings they well at a ball also CE IC todays. It has two 150 cm. underwing ford toda. Note was exclud empty busys separate





ducing more ready-toinstall power packages than anyone else in the world - Rohr Aircraftsmen are making more than 12,000 different parts for both commercial and military sireraft. Rohr assembles these into more than 840 products for

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#### WHO'S WHERE

In the Front Office Mercool & Nidely receipt, doubt

Ichn W. Rass, Jr., has been raced discofolio W. Rose, Jr., loss here reased disco-tor of contracts admissionables for Rell Ar-corb Copy, Bullaka, N. T. Heftert P. Fornit has been described repervisor of continues for Aerodes Inc.

regions: Ar Buie Co Victor N. McNith has been messated Robot E. Stedevil, tomob object of Arreston Ago, has proved Manusche Chem-Post W. Rhose is now the resistant are Motor, motordes Robert M. Crackfeld, tite grand manager of the Pentus Motor grand D D Ross, has been unde a-

But L. Seal has been prevented to us-Here Menhagh has been moved monager A. Y. Fort his githal Access showers of namer A N Rebed and D I Bloom

Honors and Elections Barralt Accord proposal at the sociol of Barralt Accord Countractors for 1912 1913, succeeding W. T. Citt. who becomes density peoplet Sr Frederic Harder Page has Robot Blokborn, A. F. Buke,

#### INDUSTRY OBSERVER

Figure & Whitney has most the upon of its commercial \$4550 earner ofter the plan to put the Weep Major in one version of the Dougles. DG7 was abandoned Previously some midiae custom Wasp Mojor proposal was that nighters already had some of the cagines in their Rainer Shatteringer, and would not have to set up a new course.

P. Accodynamicists are working to get back to supovered control systems greates are well along with several trace of arcodynagically balanced flags.

. Here that webbyers still screen for the trabecens powerplast pair betaken from the fact that of all the 32 and advanced actions shows to

Problem of imposed fabring for exempt entragent peach and an

administic solution is for molyament companies to modify their designs to be more macaptible to proper lighting. Few closures in this respect have \* NACA is arrang a scale model of a four engine trabaging plans clouds: rescubbing the Boung B-47 encept for poverplants. The scale model

F While Douglas Assent) soles engagers are talking up the new four-pit. old DCA posturope modified for jets in still doing a weakhone pib as a those and had for comme collection at Edwards AEE, it is the old XB. fied to take jets from the X8-42, the old Dougles Messender hearber taketh had maken named be at the tall turned by a very of Affirm VITLA

it was sholved. The XB 45 exercis two jet contour, one capitally sellare flown nested it. \* High reservative counts required to some new records and month as

\* Separation perpellers are expected to have a percy disc bracking as error m 190 fb. threat per sq. ft., NACA enemous calculate. But unless the

very uniteres, orceasible mone factor at high riper can be producted, chancer for middle are entened manner effects. \* After Borgan's model 502 qualit me teating feasibles a 10 for residing

AVIATION WIDE NO DE 1955

### AVIATION WEEK 1917 1918

#### Defense Dept. Calls APB Plan Unrealistic

buildup, officials say. · But AF. Navy must offer

### • It would slow air power

rebuttal by Aug. 6. By Ben S. Lee Air Force and Navy are weeking at

tny mount and ongine programs which APR's setting chemists speed before to complete outliting of a 141possible date, to scop obsolescent

possis Assetset Screeney of News. Thisma I Crara Office of Defense

\* Republic-In the fighter howher cuts-Combet, verted with escentive powers harded down by the Wide North Assertion-Day Sehter North creams on the relition. Canadiell his roym Differed Depart. Amprican F-86F Subst should be given

#### Buy These Planes and Engines:

\* Part & Whitney 197-P-L. Step

 Food Chicago B7. Accelerate and RB-66 aircraft

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Luceks Mesony davisor to po-duction of 157.P.7 monedately.

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phonol get at 1000 at telficient de Stepped up production of the North Asserting PWD at the expense of explor are expenser when compared arrant combilities of all models of the Further, Campbell and, similarly of the F-86D and F in general coufemanting ireal throughout to many readuration to modely economical editors

because of general configuration of the F and D, but because they use the same powerplant, the CE [47 series. FZH series of jet fighters over the Generous FVF series, Compiled reconend conservers of that company's plant fundition to production of the F2H

For further man production con-tents, Campbell recommends that P Dowler - Complett segrets that P4D-I Share deltawing fighter jays now in flight test become of inferiority of the FID series. He are however that production of the FID series

Campbell proposes annotate our tribucet of the Douglas AD patter for such powerplaces should be can-Instead, mediaction of Doneles AID. cond the AD attack howher cooks

long is connection with AZD's Allisma



NORTH AMERICAN FAIR under APR plot for Air Food plant. And the North



McDONNELL FIRE Decree series world be ground purpose surnerband fighter: In this connection, he reconnected: suggest, Complett sales that the \$-66 to

PHAN Printer-As for the Douries AND (USAF B.66), just new bong resched for Bight test, Campbell asks certal placed fallow as avolution of

munch engineer within the makeur Semilarly, Air Force is sensed to succe a, will as as four-engined counterpain, the B-47C, and not counter other trees within the medium extremy.

3-66 cm perious all operatoral ren Plasperties Boards-The AFS char-

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CID and Fidel components continue



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APR's Anthority

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F HT Program-Campbell recommended As Four and Non to expediture the his property for stopping Westmickness Westinghouse further he succe near to . APE Position-Complete told that Air Peece and Navy de what they can

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Sandy States Careful will our of the courte that drafteds trafted tracts for Which Associated dynamics, from of modific minion places in wrong, multipactimizing configured. If All AVAIDON WEEK, July 28, 1952

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- Matur Profess-Top As Force and sone no suchd enhiter purpose seless and armaniert bycaprene which has a complete and effective woman. uv, to color on mount and its com-

dealloute maximum marks, accomplished and salvenerables etc.

pectant waiting, while the complete confirmed production of custing six not immediate, he said, it is still comto super expectation or o deleved Wright the her been chosed with 167 was USAF and placed New removability for the production of the sees: flight succelt to be penduced after rudder sorrow fut industry and oly disturbed by the "servicide" He-Most unpertext. Air Perus and New orleads done the relities commander F-100 is superior in performance to the F-16 F. Bourney, in the first

tion the F-500 is nealth's in quantity

-USAF a fixed with the absoration of larger mour combat organizations

Dicison by the military to oily on

Force, for example, relied spen a single Kimball Calls for Ideas, Gets Them type of don kelder and a grounding towners of the entire USAF world

By W.Bian I. Coorbin Los Angeles-Novy Secretary Dax

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(McCow H2! World News)

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Navy Secretary finds IAS members already delying in fields he stressed at West Coast summer meeting.

> rell decaping had resulted in large Proper Plosts. The Secretary of the plent field as he unted the semusiatical \* Frank F. Band, Ir. of General Electre told a pricedens sensor that a

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P. Pokra-Secutory Emball strongly or lected the "knewkers personle" of

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Air Bases · USAF orts only about So it went in senson after senso half its 1953 request-

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The "young bears" of the leadstone

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Pinches Air Industry Accreft parts and enucousary evenbe offected and will continue to deto send stake," Mount Down C.

P Daly Past of Request-For the cur time Association, reported her work. hely I. Compress offered USAF \$1.2 believe to employment the best progress hard find, probably about Aug. 1. From that doe on, the tweed is en very Spokewace had tertified that a stoppogs of at copies production and dela com," Romer and Posts & Whitney division of Upsted AV uds for additional receive in

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· Delay in cetting work started is blamed. · Appropriated cally \$1.2 believe though, to employees the \$1.5-billion

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McCone Offers Reply To Rep. O'Konski The base peagues was brenched

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The committee now is looking into Knoer-France Corp., which is under the Transled C-119 care place at

In his letter to O'Kousic, McCone tenuard. However, there process were stated among other thans that he has

to ordine notice. He found that you the Bouchle entirer related

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#### Combat Alert

· Night alarm looked like real thing last April. • It wasn't-but we learned much from it.

At Deleue Congrued but week to from so the west, but there the nation's reditory profet into a medicinal doct o folse okens, the collitary occupies learned many valuable lessons from it. Work bake in U.S. defense-constable and see techn being corrected where PHow B Beam-On Age 16, Air De-

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#### President Signs Research Measure

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#### ANDB Now Studying Cockpit Visibility

The Ar Naturatina Development the two-year research program and is canceled to by 1,000 test approaches under low ceshage at MacArthur Field. Lane Mond. Snow has conducted its on at ManArthur for the next several

\*The Nord-An abrost unascool solot do not accusable forecast sugliffers fromgeogram ANDR now has settiered.

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KEEPS PLANES ON SCHEDULE BY BURNATING HIT AND HIS TROUBLE SHOOTING



cover . . . set if cetti into then emperable engineers. SIENEY, NEW YORK

SACCONY MERCON COVICES 107 S Provedencia Arrenas Statucia, Collectio - Singhaman Solicing, Adde Casa Assenya, Battain A, Michigan Septem Schiller, 175 St. Westernia Arrenas, Milwarden, Michigan - 382 Madel Covel, San Sunniago A, Collectio

#### EQUIPMENT

#### Trained Personnel Needed for Analyzers

- · Devices proven worth stressed at conference
  - · Unsettled question: Which is best type?

Br George L. Christon both traston rad crawe, ore models

Scotille late 4,000 systematic sold

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AVIATION WELL July 28, 1952





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Storing in 1993, investigation into conference on test order to a TCA. E. W. Fartin, technical const. effective embres was redestaine to exc. influe to also evaluative both Score, set to director all engineering, pointed





\* LAM-A Lockbool Agend Species. tim wires on ten USAF VIP C 121s

The complete Southly anabore in papearet. Some that ERAF are vibration after and The cathy behind the co arbone usage will probably be see find-mounted, huged cover, dend? A full cover or WADC find. \* FALLE, W. Lechary, respect from

ARMITON WEEK JULY 25, 1932



### America's Aircraft Engines rely on



#### THOMPSON VALVE DEPENDABILITY

In a Paper Cub .... a Beechcraft "Benaux" .... a Cannale IIII ... the managing of alocards engineer. m all types of planes, use Thompson Values agranged TPM allow that region accorde values.

VALVE BIVILION

### Thompson Products. Inc.





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overhead and supply. Other ners will be

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# **NOW AVAILABLE** Auto-Lite Nylon-Jacketed Wire



TODAY: Auto-Life is proud to have developed in coaperation with producers of home restarishs a new kind of wice for the toucker, super-exacting demands of modern military

perfections have game into this passecring achievement ORROW: This new kind of wire will Knot analizations in arresult, electrical resture, booschold analiareas, fixtures and electronic devices . . , wherever absorbes, bent and observed resolvence is recorded, wherever areas in

Wire & Cable sample of the new were . . and we would approving your 

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Dependable and rugged
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THE AEROTEC CORPORATION

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For the first time in the industry, Bendle' Rodic is offering a simula, compart combination toud speaker, profiler and power

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#### AERONAUTICAL ENGINEERING





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#### AVIONICS

#### Hi-Fi Recorder Seen as Test Tool

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MANUFACTURING COMPANY, Inc. 1057 State Street, New Haves II, Cann. AVAILABLE WEEK, Lot 28, 1982



#### Leas for Aerial "Workhorses"

For military sixtift operations, osciring "Flying Boxoner" see ogistending toos-

ATROL shock absorbing brading mearons. enable plane and carpy to land smoothly First producing ARROLS in 1926. perfected this modern air-oil strat that The Cloveland Possuratio Tool Company.

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ANNATION WEEK, July 28, 1952

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### HELPING AMERICA BUILD FASTER

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#### FINANCIAL

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Clifford Oil Coolers help fly the fast freight for Slick sirways inc. Clifford Penther Weight, All-Aluminus



#### AIR TRANSPORT

### Five Airlines Reported Interested in C-97

- Boeing could produce 25 on present military line.
- · Certification work will start with firm orders. B) Grander Mclarch Southe-Boring Appliese Co. is on doubtring to get back rate the com-

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ANATION WHEE, July 28, 1952

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Franco-German Leaders Meet

ANALYSIS WEEK, AND 28, 1955

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AVAILABLE WHEN ALL IN 1957

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